

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville  
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Tel: (615)726-0177

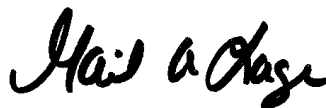
TestAmerica Job ID: 490-2712-1

Client Project/Site: Everett Terminal

For:

Exxon Global Remed. Grp  
52 Beacham Street  
Everett, Massachusetts 02149

Attn: Mr. Ernest E Haynes



Authorized for release by:  
7/26/2012 1:38:49 PM

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Sample Summary

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-2712-1	Outfall 01 A-TSS - 1	Water	07/24/12 16:10	07/25/12 08:00
490-2712-2	Outfall 01 A-TSS - 2	Water	07/24/12 16:10	07/25/12 08:00
490-2712-3	Outfall 01 A-TSS - 3	Water	07/24/12 16:10	07/25/12 08:00

## Definitions/Glossary

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

## Client Sample Results

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

**Client Sample ID: Outfall 01 A-TSS - 1**

**Lab Sample ID: 490-2712-1**

**Date Collected: 07/24/12 16:10**

**Matrix: Water**

**Date Received: 07/25/12 08:00**

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	57.2		4.00	2.40	mg/L			07/25/12 12:21	1

## Client Sample Results

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

**Client Sample ID: Outfall 01 A-TSS - 2**

**Lab Sample ID: 490-2712-2**

**Date Collected: 07/24/12 16:10**

**Matrix: Water**

**Date Received: 07/25/12 08:00**

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	55.6		4.00	2.40	mg/L			07/25/12 12:21	1

## Client Sample Results

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

**Client Sample ID: Outfall 01 A-TSS - 3**

**Lab Sample ID: 490-2712-3**

**Date Collected: 07/24/12 16:10**

**Matrix: Water**

**Date Received: 07/25/12 08:00**

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	58.0		4.00	2.40	mg/L			07/25/12 12:21	1

# QC Sample Results

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 490-8103/1

Matrix: Water

Analysis Batch: 8103

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.600		1.00	0.600	mg/L			07/25/12 12:21	1

Lab Sample ID: LCS 490-8103/2

Matrix: Water

Analysis Batch: 8103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	100	99.00		mg/L		99	90 - 110

Lab Sample ID: 490-2712-3 DU

Matrix: Water

Analysis Batch: 8103

Client Sample ID: Outfall 01 A-TSS - 3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	58.0		56.40		mg/L		3	20



## QC Association Summary

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

### General Chemistry

#### Analysis Batch: 8103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-2712-1	Outfall 01 A-TSS - 1	Total/NA	Water	SM 2540D	
490-2712-2	Outfall 01 A-TSS - 2	Total/NA	Water	SM 2540D	
490-2712-3	Outfall 01 A-TSS - 3	Total/NA	Water	SM 2540D	
490-2712-3 DU	Outfall 01 A-TSS - 3	Total/NA	Water	SM 2540D	
LCS 490-8103/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 490-8103/1	Method Blank	Total/NA	Water	SM 2540D	

## Lab Chronicle

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

### Client Sample ID: Outfall 01 A-TSS - 1

Date Collected: 07/24/12 16:10

Date Received: 07/25/12 08:00

### Lab Sample ID: 490-2712-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	8103	07/25/12 12:21	BK	TAL NSH

### Client Sample ID: Outfall 01 A-TSS - 2

Date Collected: 07/24/12 16:10

Date Received: 07/25/12 08:00

### Lab Sample ID: 490-2712-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	8103	07/25/12 12:21	BK	TAL NSH

### Client Sample ID: Outfall 01 A-TSS - 3

Date Collected: 07/24/12 16:10

Date Received: 07/25/12 08:00

### Lab Sample ID: 490-2712-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	8103	07/25/12 12:21	BK	TAL NSH

#### Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

## Method Summary

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL NSH

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater",

**Laboratory References:**

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Certification Summary

Client: Exxon Global Remed. Grp  
Project/Site: Everett Terminal

TestAmerica Job ID: 490-2712-1

## Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-12
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-12
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAC	9	1168CA	10-31-12
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Colorado	State Program	8	N/A	02-28-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAC	4	E87358	06-30-13
Illinois	NELAC	5	200010	12-09-12
Iowa	State Program	7	131	05-01-14
Kansas	NELAC	7	E-10229	10-31-12
Kentucky	State Program	4	90038	12-31-12
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAC	6	LA110014	12-31-12
Louisiana	NELAC	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAC	5	047-999-345	12-31-12
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-12
New Hampshire	NELAC	1	2963	10-09-12
New Jersey	NELAC	2	TN965	06-30-13
New York	NELAC	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-12
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-12
Oregon	NELAC	10	TN200001	04-30-13
Pennsylvania	NELAC	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-12
South Carolina	State Program	4	84009 (001)	02-28-13
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAC	6	T104704077-09-TX	08-31-12
USDA	Federal		S-48469	11-02-13
Utah	NELAC	8	TAN	06-30-13
Virginia	NELAC	3	460152	06-14-13
Washington	State Program	10	C789	07-19-12
West Virginia DEP	State Program	3	219	02-28-13
Wisconsin	State Program	5	998020430	08-31-12
Wyoming (UST)	A2LA	8	453.07	12-31-13



## COOLER RECEIPT FORM

Cooler Received/Opened On 7/25/2012 @ 0800

1. Tracking # 9755 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 3.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: \_\_\_\_\_

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (initial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..# \_\_\_\_\_



## Login Sample Receipt Checklist

Client: Exxon Global Remed. Grp

Job Number: 490-2712-1

Login Number: 2712

List Source: TestAmerica Nashville

List Number: 1

Creator: McBride, Mike

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	